

Notice of Allowability

Application No.

10/668,740

Examiner

Steven B. Theriault

Applicant(s)

HO ET AL.

Art Unit

2179

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09/23/2003.
2. ☒ The allowed claim(s) is/are 1-30.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David McKenzie on 06/21/2007.

In the Claims, please amend the claims as attached: (The application has been amended by applicant and sent to examiner via fax).

Interview Summary

The Examiner contacted the applicant to discuss the limitations of the Independent claims and claim terminology and discussed intended use issues with the original claims. Applicant provided suggestions and the Examiner asked applicant to incorporate changes into a proposed amendment for consideration. Said amendment is attached.

Allowable Subject Matter

1. Claims 1-30 are allowed.
2. The following is an examiner's statement of reasons for allowance:

Claims 1, 11 and 21:

The closest prior art of Bach et al (hereinafter Bach) U.S. Patent No. 5,781,739 teaches an IMS/www mapping system that has a web interface. The Bach interface wizard that allows a user to determine from a list of MFS source files the MOD and MID inputs that are needed for a given project (See column 12, lines 49-67). Bach further teaches that the interface communicates with a web server that takes the project inputs and generates an HTML output (See column 14, lines 20-40). The invention of Bach teaches a mechanism that provides a mapping of communications protocols between a browser and the IMS System.

Bach does not teach a user-interface that defines web services within the user interface of an MFS application. This feature is distinct from the prior art, because the adaptation of the

inputs is done with the end result interface. In contrast, the interface of the present application is used before the interface is generated and simplifies the process of repeat transactions to configure a web transaction. Bach also does not teach a prompt that guides the user to select the device type and associated feature supported by the MFS application and a process to designate which MOD and MID to be for the web service, as recited in the amended claims.

Kheiolomoom et al. (20030004746) teaches a web-services interface that allows a user to select from given inputs and outputs to construct a web-service. Kheiolomoom teaches a process of prompting the user at various phases to enter information into the interface. However, the user interface of an MFS based IMS application as specified in the claim. Kheiolomoom does not also suggest that the inputs within the interface are for selecting message inputs and outputs and the device type for configuring a web-service of the MFS based IMS application.

The prior art of Abileah et al. (hereinafter Abileah) teaches a COBOL metamodel that takes an application request from a web browser and transforms via a web server the request, transaction or message to a language such as XML (See Para 0031). Abileah teaches that the model includes IMS transactions and MFS formatted messages. Abileah teaches a process of establishing the connectors in software packages that are executed at runtime without the user interface. Abileah also does not define web services within the user interface of an MFS application. Bach also does not teach a prompt that guides the user to select the device type and associated feature supported by the MFS application and a process to designate which MOD and MID to be for the web service, as recited in the amended claims.

Therefore, in light of the applicant's amendment, the prior art of Bach in view of Kheiolomoom, in further view of Abileah does not teach or suggest the combined limitations of the amended claims as submitted. Therefore, the claims as amended are allowable.

Claims 2-10, 12-20 and 22-30

These claims are dependent upon claims 1, 11, and 21, respectively, and are thus allowable.

Art Unit: 2179


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven B. Theriault whose telephone number is (571) 272-5867. The examiner can normally be reached on M-F 7:30 - 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on (571) 272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SBT



WEILUN LO
SUPERVISORY PATENT EXAMINER